

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

WELLTON-MOHAWK IRRIGATION SYSTEM, PUMPING
PLANT NO. 2
Bounded by Interstate 8 to south
Wellton vicinity
Yuma County
Arizona

HAER AZ-68-B

Photographs HEAR AZ-68-B-21 through HAER AZ-68-B-24 are 8x10 inch contact prints from copy negatives of 11x17 inch Xerox copies of the original architectural drawings. The original materials are held at the U.S. Department of the Interior, Bureau of Reclamation, Yuma Area Office, 7301 Calle Agua Salada, Yuma, Arizona.

INDEX TO BLACK AND WHITE PHOTOGRAPHS

David G De Vries, photographer, October 2005

- | | |
|-----------|--|
| AZ-68-B-1 | Perspective view, showing west front and north side, with ca. 1974 -1975 outdoor regulatory pumps at right, and hydraulic gate check cylinders on the afterbay structure on the crest of the hill in left background |
| AZ-68-B-2 | Context view, looking downhill from afterbay at the east rear of the Pumping Plant |
| AZ-68-B-3 | West front. The three small regulatory pumps to the right of the building were installed ca. 1974-1975. Note electric substation towers in the background |
| AZ-68-B-4 | North side, showing folding double doors, main control room wing, and modern roof construction |
| AZ-68-B-5 | East rear, north part. Original power inlet is visible to the right of the current power inlet |
| AZ-68-B-6 | East rear, south part, oblique view to the south |

WELLTON-MOHAWK IRRIGATION SYSTEM, PUMPING

HAER AZ-68-B
INDEX TO PHOTOGRAPHS
PAGE 2

AZ-68-B-7	South side. Also showing forebay, wing for the main control room, and evaporative cooling unit at left
AZ-68-B-8	Afterbay, showing five discharge channels and five hydraulic gate check cylinders, one for each discharge pipe opening. The spillback inlet is visible in the left foreground. View to the west
AZ-68-B-9	Afterbay, looking north at hydraulic gate check cylinders and lamps. The gate lift in the foreground is an addition associated with the ca. 1974-1975 regulatory pumps
AZ-68-B-10	Motor room, overall view to the south. The service bay area is on the foreground
AZ-68-B-11	Motor room, view to the north
AZ-68-B-12	Looking north toward unit 1 pump motor, overhead crane, and double folding doors on the north side of the building
AZ-68-B-13	Row of pump motors, view to southeast
AZ-68-B-14	Detail, unit 1, 3,000 horsepower (hp) synchronous pump motor. Manufactured by The Electric Machinery Manufacturing Company, Minneapolis, Minnesota. Units 2 and 3 are identical to this unit
AZ-68-B-15	Detail, unit 4, 3,000 hp synchronous pump motor. Manufactured by The Electric Products Company, Cleveland, Ohio. Unit 5 is identical to this unit
AZ-68-B-16	Main control room, showing original six-pane windows and doors to pump motor room at left. The main control cabinets and switchgear, visible on right, were replaced in 2003. View to the south
AZ-68-B-17	Overview of pump room. View to south-southeast
AZ-68-B-18	Pump room level, looking north in service bay area. Visible from left to right are the direct current breaker panel, battery bank, door to stairwell, and hanging tools.

WELLTON-MOHAWK IRRIGATION SYSTEM, PUMPING

HAER AZ-68-B
INDEX TO PHOTOGRAPHS
PAGE 3

- AZ-68-B-19 Looking southwest in the service bay area, pump room level, at the ventilation fan ducts associated with the evaporative cooling system. Stairs to the operating deck above the intakes are at the far left
- AZ-68-B-20 Detail, sump pump at bottom of stairwell at the south end of the pump room
- AZ-68-B-21 PLAN AND SECTION, WELLTON-MOHAWK PUMPING PLANT NO. 2. WELLTON-MOHAWK CANAL - STA. 717 +62.95. United States Department of the Interior, Bureau of Reclamation; Gila Project, Arizona, Wellton-Mohawk Division. Drawing No. 50-D-2378, dated June 30, 1948, Denver Colorado
- AZ-68-B-22 ARCHITECTURAL EXTERIOR ELEVATIONS AND DETAILS. WELLTON-MOHAWK PUMPING PLANT NO. 2. United States Department of the Interior, Bureau of Reclamation; Gila Project, Arizona, Wellton-Mohawk Division. Drawing No. 50-D-2360, dated November 24, 1948, Denver Colorado
- AZ-68-B-23 GENERAL ARRANGEMENT BUILDING AND EQUIPMENT. WELLTON-MOHAWK PUMPING PLANT NO. 2. United States Department of the Interior, Bureau of Reclamation; Gila Project, Arizona, Wellton-Mohawk Division. Drawing No. 50-D-2352, dated December 2, 1948, Denver Colorado
- AZ-68-B-24 DISCHARGE PIPES. WELLTON-MOHAWK PUMPING PLANT NO. 2 WELLTON-MOHAWK CANAL - STA. 717 +62.95. United States Department of the Interior, Bureau of Reclamation; Gila Project, Arizona, Wellton-Mohawk Division. Drawing No. 50-D-2380, dated November 30, 1948, Denver Colorado